L Number	Hits	Search Text	DB	Time stamp
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			US-PGPUB	
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		mucos\$)	US-PGPUB	
5	47	(((514/255.06).CCLS.) ((544/407).CCLS.)) AND ("sodium channel" OR	USPAT;	2003/09/05 12:20
		mucos\$ OR "chloride channel")	US-PGPUB	







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NEWS 8 Mar 24 PATDPAFULL now available on STN
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                 structures available in REGISTRY
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NEWS 10
        Apr 11
NEWS 11
        Apr 14
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                 Polymer searching in REGISTRY enhanced
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NEWS 13
                 Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS 14 Apr 21
                New current-awareness alert (SDI) frequency in
                 WPIDS/WPINDEX/WPIX
NEWS 15
        Apr 28
                 RDISCLOSURE now available on STN
NEWS 16
                Pharmacokinetic information and systematic chemical names
        May 05
                 added to PHAR
                 MEDLINE file segment of TOXCENTER reloaded
NEWS 17
        May 15
NEWS 18
                 Supporter information for ENCOMPPAT and ENCOMPLIT updated
        May 15
NEWS 19
        May 19
                 Simultaneous left and right truncation added to WSCA
NEWS 20
        May 19
                RAPRA enhanced with new search field, simultaneous left and
                 right truncation
NEWS 21
        Jun 06
                 Simultaneous left and right truncation added to CBNB
NEWS 22
        Jun 06
                PASCAL enhanced with additional data
NEWS 23
        Jun 20
                2003 edition of the FSTA Thesaurus is now available
NEWS 24
        Jun 25 HSDB has been reloaded
NEWS 25
        Jul 16 Data from 1960-1976 added to RDISCLOSURE
NEWS 26
        Jul 21
                Identification of STN records implemented
        Jul 21
NEWS 27
                 Polymer class term count added to REGISTRY
NEWS 28
        Jul 22
                 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
                 Right Truncation available
                New pricing for EUROPATFULL and PCTFULL effective
NEWS 29
        AUG 05
                 August 1, 2003
                 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 30
        AUG 13
NEWS 31
        AUG 15
                 PATDPAFULL: one FREE connect hour, per account, in
                 September 2003
NEWS 32 AUG 15
                 PCTGEN: one FREE connect hour, per account, in
                 September 2003
NEWS 33 AUG 15
                RDISCLOSURE: one FREE connect hour, per account, in
                 September 2003
NEWS 34 AUG 15
                 TEMA: one FREE connect hour, per account, in
                 September 2003
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NEWS 35 AUG 18 Data available for download as a PDF in RDISCLOSURE

NEWS 36 AUG 18 Simultaneous left and right truncation added to PASCAL

NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),

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FILE 'HOME' ENTERED AT 11:42:12 ON 05 SEP 2003

=> file reg

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FULL ESTIMATED COST 0.21 0.21

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STRUCTURE FILE UPDATES: 3 SEP 2003 HIGHEST RN 578696-90-9 DICTIONARY FILE UPDATES: 3 SEP 2003 HIGHEST RN 578696-90-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

Uploading C:\Program Files\Stnexp\Queries\10076551.str

chain nodes :

7 8 9 10 11 12 14 15 16 17 30

ring nodes :

1 2 3 4 5 6 18 19 20 21 22 23

chain bonds :

5-7 6-8 7-9 7-12 9-10 10-11 10-14 11-15 15-16 16-17 17-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

6-8 7-9 7-12 9-10 10-11 10-14 11-15 15-16 16-17

exact bonds : 5-7 17-19

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 18-19 18-23 19-20 20-21 21-22 22-23

isolated ring systems :

containing 1 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 30:CLASS 31:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 11:42:39 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 8 TO 329
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 11:42:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 240 TO ITERATE

Page 3

100.0% PROCESSED 240 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

L3 3 SEA SSS FUL L1

=> d 1-3 ide cbib pi

L3 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 144176-48-7 REGISTRY

CN Pyrazinecarboxamide, 3-amino-5-[(2-aminoethyl)(1-methylethyl)amino]-N-[[(4-azido-2-hydroxybenzoyl)amino]iminomethyl]-6-chloro-(9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C18 H22 Cl N11 O3

SR CA

LC STN Files: CA, CAPLUS, MEDLINE

1 REFERENCES IN FILE CA (1937 TO DATE)

1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

REFERENCE 1: 117:205669 Novel amiloride analog allosterically modulates the α2-adrenergic receptor but does not inhibit sodium/hydrogen ion exchange. Wilson, Amy L.; Womble, Scott N.; Prakash, Chandra; Cragoe, E. J., Jr.; Blair, Ian A.; Limbird, Lee E. (Sch. Med., Vanderbilt Univ., Nashville, TN, 37332-6600, USA). Molecular Pharmacology, 42(2), 175-9 (English) 1992. CODEN: MOPMA3. ISSN: 0026-895X.

L3 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 134788-24-2 REGISTRY

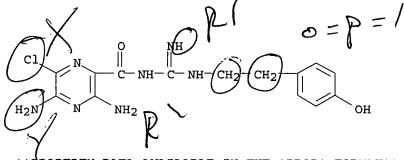
CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[2-(4-hydroxyphenyl)ethyl]amino]iminomethyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C14 H16 Cl N7 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1937 TO DATE)
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

1-11 14-17 18 21-23

REFERENCE 1: 115:41425 Reversal of intrinsic multidrug resistance in Chinese hamster ovary cells by amiloride analogs. Epand, R. F.; Epand, R. M.; Gupta, R. S.; Cragoe, E. J., Jr. (Health Sci. Cent., McMaster Univ., Hamilton, ON, L8N 3Z5, Can.). British Journal of Cancer, 63(2), 247-51 (English) 1991. CODEN: BJCAAI. ISSN: 0007-0920.

27

L3 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN

RN 64077-96-9 REGISTRY

CN Pyrazinecarboxamide, 3,5-diamino-6-chloro-N-[[[[[[5-(1,1-dimethylethyl)-2-hydroxy-3-iodophenyl]methyl]amino]carbonyl]amino]iminomethyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C18 H22 Cl I N8 O3

LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL (*File contains numerically searchable property data)

- 2 REFERENCES IN FILE CA (1937 TO DATE)
- 2 REFERENCES IN FILE CAPLUS (1937 TO DATE)

REFERENCE 1: 89:109585 Pyrazinecarboxamides. Cragoe, Edward J., Jr.; Woltersdorf, Otto W., Jr.; Habecker, Charles N. (Merck and Co., Inc., USA). U.S. US 4085211 19780418, 15 pp. (English). CODEN: USXXAM. APPLICATION: US 1976-722442 19760913.

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US	4085211	Α	19780418	US	1976-722442	19760913
DK	7605314	Α	19770616	DK	1976-5314	19761125
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SE	431452	C	19840517			
NL	7613276	Α	19770617	NL	1976-13276	19761129
ΑU	7620181	A1	19780608	AU	1976-20181	19761202
ΑU	511429	B2	19800821			
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FR	2335226	B1	19790309			
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HU	175504	P	19800828	HU	1976-ME2034	19761213
CH	630369	Α	19820615	CH	1976-15660	19761213
BE	849379	A1	19770614	ΒE	1976-173235	19761214
za	7607431	Α	19780726	z_{A}	1976-7431	19761214
JP	52106877	A2	19770907	JΡ	1976-149889	19761215
JP	62038350	B4	19870817			
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REFERENCE 2: 87:117906 Pyrazinecarboxamides. Cragoe, Edward Jethro, Jr.; Woltersdorf, Otto William, Jr.; Habecker, Charles Newcomer (Merck and Co., Inc., USA). Ger. Offen. DE 2656374 19770616, 71 pp. (German). CODEN: GWXXBX. APPLICATION: DE 1976-2656374 19761213.

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CH	630369	Α	19820615	CH	1976-15660	19761213
BE	849379	A1	19770614	ΒE	1976-173235	19761214
ZA	7607431	A	19780726	ZA	1976-7431	19761214
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